

PLANET DEFENSE & INTELLIGENCE Daily, global situational awareness

Planet's Solutions for the Defense and Intelligence sector offer unique capabilities, such as always-on monitoring with rapid tasking to provide visibility into global events at the speed they develop. Combined with machine learning-based imagery analytics, these capabilities enable the GEOINT sector to identify and act on activity-based signals, previously difficult to discern.



HIGH FREQUENCY, GLOBAL COVERAGE





AUTOMATED FEATURE EXTRACTION & CLASSIFICATION



EASY ACCESS & INTEGRATION

CONSTELLATION OVERVIEW

PlanetScope

Always-on, daily monitoring

- Provides daily global data
- 3 m resolution 4 band (RGB, NIR) and 8 band
- Delivery within 24 hrs
- Archive since 2009
- Maritime areas of interest available



Rapid, flexible tasking

SkySat

- Captures certain areas, up to 10x daily
- 50 cm resolution RGB, NIR, and Pan bands
- Publication within 8 hours
- Archive since 2014
- Video, stereo, and basemaps available

New: Constellation Services available for priority tasking and dedicated capacity



PlanetScope September 7, 2020 - November 16, 2020 (series left) Early signs of construction work detected at the nuclear facility in Natanz, Iran.

SkySat December 1, 2020 (right) High-resolution imagery confirms new construction area left of Natanz.

LEVERAGE PLANET'S DATA IN A VARIETY OF USE CASES

Documenting Human Rights Violations

BuzzFeed News used Planet imagery, along with other sources of satellite data, to identify or verify China's mass internment of Muslims in Xinjiang Province, documenting the locations of 47 existing detention centers, and 268 new prison camps built since early 2018. In a particularly impressive portion of research, the reporters compared blacked out areas in Chinese mapping platforms with **Planet's high resolution data to uncover locations of the new prison camps.** Satellite data was also critical later in the series, when documenting the forced labor of Uighur Muslims at factories within the walls of the camps.



Monitoring Russian Military Buildup in Eastern Europe

Planet's satellites were able to monitor Russian military buildup in eastern Europe, providing customers additional insights into the types of military equipment being deployed. Planet combines a passive highfrequency monitoring solution with high-resolution tasking that provides defense and intelligence practitioners the confidence they will not miss important events. In addition, Planet's deep learning imagery analytics allows faster, data-driven decisions that improve policymakers ability to respond in a dynamic world.



Observing Strategic Military Assets Abroad

In September 2021, Planet observed Russia's newest and most advanced nuclear-powered submarine class, Yasen. The vessel was seen near a floating dry dock. The combined power of **constant monitoring and agile high revisit tasking** enables Planet's Defense and Intelligence customers to use resources efficiently and quickly respond to changes before negative impacts spread.



Tracking Iranian Space Development

On December 30, 2021, **Planet's constellations observed Iran's attempt to launch three payloads into orbit**, which ultimately failed. The attempted launch occurred while the United States and Iran were engaged in bilateral discussions in Austria in an attempt to salvage the 2015 Joint Comprehensive Plan of Action. Planet's **PlanetScope constellation is capable of providing daily 8-band imagery**, and by applying spectral indices, Planet was able to detect burn scars shortly after the rocket launch.



Understanding the Operational Environment

On June 28,2021, as part of Operation Inherent Resolve, the effort to eliminate ISIS, Coalition forces conducted airstrikes against key ISIS facilities, including an intelligence training center, training camps, and several tactical units. Planet's high resolution satellite, **SkySat, was able to image the area a few hours after its destruction.** Combined with Planet's vast imagery archive, analysts and observers were able to compare the pre- and post-strike area, allowing for more accurate battle damage assessments to be conducted.



PLANET PLATFORM

Fast, intuitive, and highly scalable, the Planet Platform is designed to make satellite imagery exceptionally easy to access, analyze, and integrate into existing workflows.



Fully automated imagery processing for the delivery of analysis-ready data



Cloud-based access, speed, and scale to manage data online



APIs and browser-based tools to extract and integrate the information you need

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